1044b UIC - EAST POPLAR OIL FIELD ENFORCEMENT CASE SDWA 1431 Folder ID:13546 1999 Privileged

Release after Redaetren (PII) East Poplar Oil Field Enforcement Con-

> Region 8 13546

Bill Strauser, SR. Interview 2/11/98

Bill was a contract pumper for the Mesa Petroleum Company and operated the Biere A1 and the SWD well. Murphy did not operate any of the Mesa properties as far as he knew. Mr. Strauser was not on site when the wells were plugged. However, the producing well had a difficult plug and apparently water was surfacing. The Mesa Company drilled along side the producer and pumped cement into the well. Mr. Strauser was asked to monitor the pressure on a pipe that was placed on the well. He monitored the reading for several weeks. Mr. Strauser thought that the Company drilled to where they hit water flow and pumped cement into the old wellbore.

Interview with Joe Simonson, Field inspector for Montana Board of Oil and Gas.

10/8/98

Purpose of the relief well was to take pressure off the SWD well as the disposal zone was overcharged. Cement job broke loose on the SWD well because of the increased pressure. No surface casing was set in the Judith River disposal well, he felt it was an engineering mistake because it was ok'ed by a Geologist, Herb Hadley, of the Montana board of Oil and Gas. To correct, set blow out preventors, run a spinner test to see if water is circulating and migrating. Had to build a dam around the injection well because water was blowing out all around it (the SWD) recemented the SWD, no control of water between the pipe and the surface. Couldn't recall the Dakota sand being overpressured, the Judith River was overpressured, common sense will tell you that they used the Judith River because it was cheaper to use.

Phone 406-377-6543, will be in California after 10/20/98, will leave his number at the MTBOG in Billings.

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TOMPLIANCE & ENVIRONMENTAL CUSTICE

WELL RECORDS, EAST POPULAR UNIT, MONTANA

current

T28N - R51E

Section 5 - No wells

Section 8 - No wells

Section 10 - Murphy 11 - (allotted land)NWNW, completed 10/21/52 by Murphy Oil, P & A on 12/3/97 by Murphy, active producer.

Murphy 13 - (allotted land)SENW, no information, no record, active producer.

Polumbus (Huber) 4 - (fee land)NWNE, 1st completion - 7/22/52 by Sampson, P & A 5/12/69 by Sampson, reentered 9/11/70 by Sampson, completed 11/6/70 by Sampson, intent to P & A 10/25/82 by Sampson

Polumbus (Huber) 1W - (fee land)NWNE, completed 10/30/61 by Sampson Resources, original owner shown as C.C. Thomas, change of ownership in 1986 from Grace Petroleum to Murphy Oil. Status - unknown.

Polumbus (Huber) 3 - (fee land) NENE, completed 8/17/52, original Thomas, recompleted 1/23/63 by Polumbus, recompleted 5/17/69 by change of ownership in 1986 from Grace Petroleum to Murphy Oil, a

Polumbus (Huber) 2 - (fee land) SWNE, original owner - C.C. Thom of operator to Murphy on 9/15/86, active producer.

Murphy 5 - (fee land) SESWNE, completed 2/6/68, by Polumbus, 3 c operator- 3/12/71 from Polumbus to Polumbus, Grace Petroleum to Murphy Oil on 9/15/86, converted to injector 12/19/97 by Murphy, active producer.

Polumbus (fee, Huber) 1 SENE, completed 5/15/52, change of operator 9/15/86 to Murphy, active producer.

Murphy 8 - D (fee land) CSE, spud 8/14/52 by Murphy, P & A 12/14/65, recompleted as injector 1/26/73 by Murphy, recompleted 7/26/78 as injector by Murphy, active injector.

Grace 110 X-D (fee land) SENESE, completed 7/10/69 by Sampson Resources, converted to injector 10/15/73, P & A 6/11/91 by Sampson.

Murphy 6 - (fee land) NESE, completed 5/12/52 by Murphy, active producer.

Pipes 15

Copy Well Rounds

WELL RECORDS, EAST POPULAR UNIT, MONTANA

T28N - R51E

Section 5 - No wells

Section 8 - No wells



Section 10 - Murphy 11 - (allotted land)NWNW, completed 10/21/52 by Murphy Oil, P & A on 12/3/97 by Murphy, active producer.

Murphy 13 - (allotted land)SENW, no information, no record, active producer.

Polumbus (Huber) 4 - (fee land)NWNE, 1st completion - 7/22/52 by Sampson, P & A 5/12/69 by Sampson, reentered 9/11/70 by Sampson, completed 11/6/70 by Sampson, intent to P & A 10/25/82 by Sampson

Polumbus (Huber) 1W - (fee land)NWNE, completed 10/30/61 by Sampson Resources, original owner shown as C.C. Thomas, change of ownership in 1986 from Grace Petroleum to Murphy Oil. Status - unknown.

Polumbus (Huber) 3 - (fee land) NENE, completed 8/17/52, original owner - C.C. Thomas, recompleted 1/23/63 by Polumbus, recompleted 5/17/69 by Murphy, change of ownership in 1986 from <u>Grace Petroleum</u> to <u>Murphy Oil</u>, active producer.

Polumbus (Huber) 2 - (fee land) SWNE, original owner - C.C. Thomas, change of operator to Murphy on 9/15/86, active producer.

Murphy 5 - (fee land) SESWNE, completed 2/6/68, by Polumbus, 3 changes of operator- 3/12/71 from Polumbus to Polumbus, Grace Petroleum to Murphy Oil on 9/15/86, converted to injector 12/19/97 by Murphy, active producer.

Polumbus (fee, Huber) 1 SENE, completed 5/15/52, change of operator 9/15/86 to Murphy, active producer.

Murphy 8 - D (fee land) CSE, spud 8/14/52 by Murphy, P & A 12/14/65, recompleted as injector 1/26/73 by Murphy, recompleted 7/26/78 as injector by Murphy, active injector.

Grace 110 X-D (fee land) SENESE, completed 7/10/69 by Sampson Resources, converted to injector 10/15/73, P & A 6/11/91 by Sampson.

Murphy 6 - (fee land) NESE, completed 5/12/52 by Murphy, active producer.

Section 14 - Murphy 22 - SWSWSW, (allotted)Completed 4/27/53 by Murphy Corp; production from C-1 zone of Madison fm; active producer.

Tribal 101 - Murphy Exploration - CNW, (allotted), completed 12/7/57 by Murphy, active producer.

Tribal 104 - Murphy Exploration - SWSE, (allotted), completed 6/8/58 by Murphy, active producer.

Unit 20 - Murphy Exploration - SWSWNE, (fee), completed 3/14/53 by Murphy, active producer.

Section 15 - Murphy 32 - SWNE, (tribal), completed 4/21/54 by Murphy, active producer.

Section 18 - No wells

Section 19 - No Wells

Section 20 - No Wells

<u>Section 21</u> - 3047 Space 1 -C NWSE, (allotted), completed 6/13/80 by <u>Juniper Petroleum</u>, P & A 9/10/81 by Juniper.

Section 22 - Buckles SWD #1, NWSENW, (allotted), well completed 5/25/81 by Texas Oil & Gas Corp; completed in the M Judith River, TD 960. Well P&A 5/24/84.

Buckles A-1, CSENW, (allotted), well completed 5/4/81 by TXO Production in the Charles "C", 5937 TD. Well P&A on 5/25/84.

Tribal Unit #72, SWSE, (allotted), well spudded 3/16/56 by Murphy Oil Corp;.

P & A 4/10/56 by Murphy Oil Corp;.

Biere 1-22, CNWSW, (fee), well completed 6/8/70 by Mesa Petroleum Co; in the Charles "C". Well was P & A 5/17/84 by Mesa Petroleum Co.

Biere 1-W SWD, SWNWSW, (fee), well completed by Mesa Petroleum Co; as a salt water disposal well in the M Judith River. Well was P & A on 9/15/84 by Mesa Petroleum Co.

Buckles "B" #1, CNWNE, (fee), completed 10/19/81 by <u>Texas Oil and Gas</u>, change of ownership in late 1981 from Texas Oil and Gas to <u>TXO</u>, P & A on 5/25/84 by TXO Production Corp; active producer.

Section 23 - Fed. Unit 55, CNWSW, (tribal), well completed 6/14/55 by Murphy Corp; in the M Judith River, active producer.

Fed. Unit 3-G, NENESW, (tribal), well spudded on 12/7/52 by Murphy Corp; P & A on 12/10/52 by Murphy Corp;

Fed. Unit #26, CSWNE, (tribal), well completed 8/8/53 by Murphy Corp; in the Madison "A". Well P & A on 10/16/84 by Murphy Oil Corp;.

- Section 24 Murphy 44, SWSW, (allotted), completed 10/28/54 by Murphy, P & A 11/30/59 by Murphy, active producer.
- <u>Section 25</u> Tenneco #1, NWSWNE (fee), completed 12/15/66 by <u>Tenneco Oil</u>, P & A 5/178/68 by <u>Tenneco</u>, active producer.
- Section 26 Sioux 1-26, CNWNE, (allotted), completed 2/28/71 by Natol, P & A on 5/25/71 by Natol Petroleum Corp; USGS map shows well as active producer.

Catlin #1, NESW, (allotted), completed 6/13/65 by W.C. Partee, P & A on 10/21/65 by W.C. Partee Co; USGS map shows well as active producer.

Section 27 - Fed. Unit 63, CSWNE, (tribal), well completed 2/8/56 by Murphy Corp; in the Kibbey Lm. Well was P & A on 8/10/62 by Murphy Corp.

Federal 1-27, CNWNW, (tribal), well spudded 6/20/73 by Amarco Resources TD in the Charles "C". Well P & A on 7/3/73 by Amarco Resources, active producer.

Section 28 - No wells

Section 29 - No wells

Well notes on Salt Water contamination map.

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T29N R50E, Section 2 Notes (9 page) Polumbus 2-1, Active, grace 9-15-86, changed to Murphy 9-15-86 /T29N,R50E, Section 11 (Murphy (Zimmerman), (Zimmerman 1) Active, grace 9-15-86, changed to Murr / Murphy (Grace) 2, (Murphy War Club 2), Active, Grace 9-15-86, changed to M Polumbus 1 Mmc, (Cowan Western land), Active, Grace 9-15-86, changed to 1 Fire at location 9/27/87, 3 barrels of oil lost Murphy (Grace) 1, TA & Plugged 5-6-94, Grace 9-15-86, changed to Murphy 9-15-86 Collapsed 41/2" casing. / Murphy War Club 1R, Grace 9-15-86, changed to Murphy 9-15-86. All salt water pits must be impermeable. /Grace(goings gov't) SWD-1, Plugged 5-20-71, reentered by Polumbus 12/74 for SWD.Plugged by Murphy 8/29/90 after developing a tubing leak. Murphy purchase on 7-1-86. Murphy(McGowan) 3, Active, Ajax Oil Company 7/1/58, changed to Murphy 7/1/58 T29N,R50E, Section 12 Murphy (Polumbus)3, (Iron Bear 3), Temp. Abandoned, Grace 9-15-86, changed to Murphy 9-15-86, A cast iron bridge plug is set, pressure tested to 500 # for a future SWD well. Grace (Polumbus) 4,(Iron Bear 4), Active, Grace 9-15-86, changed to Murphy 9-15-86 Richfield 1, (Iron Bear 1), Plugged and Abandoned 9-10-62, Richfield Oil Corp. Murphy(Grace Iron Bear)2, Plugged 9-94, Signal Drilling 11/23/73, Grace 9-15-86, changed to Murphy 9-15-86, tubing is stuck and collapsed casing. Originally plugged 9/69, reentered on 11/30/74. Murphy(Smith) 71, abandoned, no plugging report. Murphy drilled and operated. Murphy 111 (EPU 111) active Murphy drilled and operated. Murphy 95, (EPU 95) temp abandoned no request on file, Murphy drilled. Murphy (Richfield Cut Hair) 1, Active, Richfield Oil Corporation, 9-15-86, Murphy 9-15-86. T29N, R50E, Section 13 Murphy 48,(EPU 48) no temp. Abandoned report in file, Murphy drilled and operated Murphy 54, (EPU 54) Request Temp Abandoned in 1984, Murphy drilled and operated Murphy 75, (EPU 75) Plugged 1956. Grace 1(BakeCoulter), Plugged and abandoned 2/24/88. Anschultz(Ashland) 1, Plugged 11/16/56, Anschutz Drilling, co T29N, R50E, Section 23 Ajax (Dupree) 1, (Dupree 1), Plugged and abandoned 7/53, drilled by Ajax Oil on 8/53 American-Petrofina 23-1, (McGowan 23-1), Plugged and abandoned on 7/85, drilled on 7/85. T29N, R50E, Section 24 Murphy 23, (EPU 23), Indicates a conversion to a saltwater disposal well. Active, Murphy drilled on 5/53.

Well notes on Salt Water contamination map.

on 5/53.

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T29N,R50E, Section 2
           (Polumbus 2-1, Active, grace 9-15-86, changed to Murphy 9-15-86
           /T29N,R50E, Section 11
           (Murphy (Zimmerman), (Zimmerman 1) Active, grace 9-15-86, changed to Murphy 9-15-86
          / Murphy (Grace) 2, (Murphy War Club 2), Active, Grace 9-15-86, changed to Murphy 9-15-86
          / Polumbus 1 Mmc. (Cowan Western land), Active, Grace 9-15-86, changed to Murphy 9-15-86,
4
                   Fire at location 9/27/87, 3 barrels of oil lost
         Murphy (Grace) 1, TA & Plugged 5-6-94, Grace 9-15-86, changed to Murphy 9-15-86
5
                   Collapsed 41/2" casing.
          / Murphy War Club 1R, Grace 9-15-86, changed to Murphy 9-15-86. All salt water pits must be
                   impermeable.
          ✓ Grace(goings gov't) SWD-1, Plugged 5-20-71, reentered by Polumbus 12/74 for SWD Plugged
                   by Murphy 8/29/90 after developing a tubing leak. Murphy purchase on 7-1-86.
          Murphy(McGowan) 3. Active. Aiax Oil Company 7/1/58, changed to Murphy 7/1/58
8
            T29N.R50E. Section 12
          Murphy (Polumbus)3, (Iron Bear 3), Temp. Abandoned, Grace 9-15-86, changed to Murphy 9-15-
                   86. A cast iron bridge plug is set, pressure tested to 500 # for a future SWD well.
          ✓ Grace (Polumbus) 4.(Iron Bear 4), Active, Grace 9-15-86, changed to Murphy 9-15-86
10
           Richfield 1, (Iron Bear 1), Plugged and Abandoned 9-10-62, Richfield Oil Corp.
          Murphy(Grace Iron Bear )2, Plugged 9-94, Signal Drilling 11/23/73, Grace 9-15-86, changed to
12
                   Murphy 9-15-86, tubing is stuck and collapsed casing. Originally plugged 9/69, reentered
                   on 11/30/74.
          ✓ Murphy(Smith) 71, abandoned, no plugging report. Murphy drilled and operated.
13
          ✓ Murphy 111 (EPU 111) active, Murphy drilled and operated.
14
          Murphy 95. (EPU 95) temp abandoned no request on file, Murphy drilled.
15
         ✓ Murphy (Richfield Cut Hair) 1, Active, Richfield Oil Corporation, 9-15-86, Murphy 9-15-86.
16
            T29N,R50E,Section 13
17
         ✓ Murphy 48,(EPU 48) no temp. Abandoned report in file, Murphy drilled and operated
18
            Murphy 54, (EPU 54) Request Temp Abandoned in 1984, Murphy drilled and operated
         Murphy 75, (EPU 75) Plugged 1956.
         Grace 1(BakeCoulter), Plugged and abandoned 2/24/88.
         Anschultz(Ashland) 1, Plugged 11/16/56, Anschutz Drilling, co
            T29N,R50E,Section 23

    Ajax (Dupree) 1, (Dupree 1), Plugged and abandoned 7/53, drilled by Ajax Oil on 8/53

22
         American-Petrofina 23-1, (McGowan 23-1), Plugged and abandoned on 7/85, drilled on 7/85.
23
            T29N,R50E, Section 24
         Murphy 23, (EPU 23), Indicates a conversion to a saltwater disposal well. Active, Murphy drilled
24
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T29N,R50E,Section 25

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Murphy 46, (EPU 46)Temp abandonded 12/63, previously an injection well drilled 5/54 converted 8/59 for pressure maintenance well.

T29N,R51 E Section 6

Richfield A-1(Lester Tribal), Plugged and Abandoned 1/19/54 Richfield Oil Corp.

T29N.51E Section 7

- Murphy (Polumbus) 1 (Richfiled Oil BUck Elk 1) Plugged and abandoned 6/3/95, Richfield 9/15/86, Murphy 9/5/86. Problems with casing collapse in this well
- Grace (Buck Elk)2, (Buck Elk 2), Plugged and Abandoned 1/29/86, RichfiledOil 11/67, Polumbus coverts to disposal well 11/67
- Murphy 65, Temp Abandoned, request 1997. Cast iron bridge plug set and pressure tested.
 - Polumbus(Buck Elk)1-W, Plugged 11-10-67. Judith river injection 2" casing.
 - Polumbus 3 (Buck Elk 3), Plugged 12/67. Richfield drilled, Polumbus takes over 1965.
- Murphy 73, Active, Murphy drilled and operates.

T29NR51E Section 8

- Nut on rep Cornejo #4, Completed to Judith River no P&A Report for gas. Surface is clean. 1980FSL,1986FWL
- Murphy 3(Empire State), Plugged and Abandoned 11/64, Murphy Oil. Empire State Oil to Murphy, no date available.
 - ✓ Empire State 2(Smith 2), Plugged and Abandoned 9/4/53 by Empire State Oil.
 - ✓ Murphy 58(Spotted Bull), Active
 - ✓ Murphy 30, Temp Abandoned request 1963, no P&A report. Casing Leak noted request to fix
- Polumbus 1(Tribal 1), Plugged 10/66 by Polumbus, Drilled by Deep Rock Oil Corporation 1955, noted a poor cement job through the surface casing, added additional cement.
 - ✓ Martin Sullivan(Sullivan), Plugged and Abandoned 12/16/53, Zach Brooks Drilling Co.
 - ✓ Murphy(Empire State)Smith 1, Listed as abandoned no P&A report.

T29NR51E Section9

- Wagner 1(Splindler), Listed as abandoned, no P&A report.
 - Ajax Kirk 1(Howey #1), Plugged and Abandoned 8/21/53 by Ajax.

T29NR51E Section 15

Murphy Tribal 1 (Murphy Sohio D'Orsay), Plugged and Abandoned 6/3/55 by MURPHY

T29N51E Section 16

- Murphy 50, Temp. Abandoned request 7/65, no plugging report.
 - Wagner Brough 1(Brough 1), Plugged 7/17/59 by MR Wagner company.
- Murphy 49,(EPU 49), Plugged 7/76 by Murphy, drilled by Murphy.
- Ashland Lozar 1 (Lozar 1), Plugged 11/3/64 by Wagner-Christianson-Ashland.

/ Murphy(empire state)Rehder 7, (Rehder 7), Temporarily Abandoned, requested 4/23/98, Drilled 47 by Empire State, now a Murphy well, no date of transfer, also, this is an injection well into the Madison, completed for pressure maintenance. Murphy 53 (EPU 53), Plugged and Abandoned 7/76, Murphy drilled well. 48 ✓ Murphy 5(Empire State), (Beasley 5), Plugged 5/3/60 by Murphy, Empire drilled well, 49 transferred at some point. ✓ Murphy 6(Empire State), (Martin 6), Plugged 11/30/64, Empire State drilled, Murphy plugged. O Missing Murphy(Owens Simons) and Wagner1(Brough). T29NR51E Section 17 Murphy 91, (EPU 91), Shut in after casing leak fixed in 1977, Murphy drilled well. Murphy 40, (EPU 40), Temp Abandoned, No plugging, temp. Abandoned request on file for well, Murphy drilled. Murphy 34, (EPU 34), Temp Abandoned, No plugging, temp abandonded request on file for well, Murphy drilled. 56 Murphy 9, (EPU 98), Temp Abandoned, No plugging, temp abandonded request on file, Murphy drilled T29R51E Section 18 57 Murphy 94, (EPU 94), Temporarily Abandonded, Requested 5/19/80, Murphy drilled. Murphy 37, (EPU 37), Temporarily Abandoned, 8/11/76 request, Murphy drilled. SP Murphy 33, (EPU33), Plugged and abandoned 4/13/78, Murphy drilled. Parted casing collapse, some water flow. T29NR51E Section 19 ✓ Murphy 5D, (EPU 5-D), Active, Converted to Salt Water Disposal well 10/23/75, Murphy drilled. ✓ Murphy 92, (EPU 92), Plugged and Abandoned 10/15/93. Murphy 4G, (EPU 4G), Temp Abandoned, Used as water supply line for pipelines, Judith River 62 formation, no P&A report, no Temp Abandoned request in file. Murphy 107, (EPU 107), Temp Abandoned, no Temp Abandoned request on file, Muphy drilled. 63 ✓ Murphy 27, (EPU 27), Active, Murphy drilled. 64 ✓ Murphy 93, (EPU 93), Temp Abandoned, no request on file, Murphy drilled. 65 ✓ Murphy 109, (EPU 109), Plugged and Abandoned 10/30/65. 66 T29NR51E Section 20 .67 Murphy 90, (EPU 90), Active, Murphy drilled. ✓ Murphy 21, (EPU 21), Active, Murphy drilled. 68 ✓ Murphy 97, (EPU 97), Active, Murphy drilled. 69 Murphy 84, (EPU 84), Active, Murphy drilled '54. 729 H RSIE Murphy 62, (EPU 62), Temp Abandoned, no request on file, Murphy drilled 10/55. Murphy 96, (EPU 96), Temp Abandoned, no request on file, Murpy drilled 7/57. 72 Murphy 38, (EPU 38), Active, Murphy drilled 3/54. 73 ✓ Murphy 47, (EPU 47 Welch), Temporarily Abandoned, request 7/65, Murphy drilled 10/54. 74

7 Murphy 64, (EPU 65), Plugged and Abandoned 8/62, Murphy drilled 12/55. T29NR51E Section 27 / Murphy 81(EPU 81), Temp. Abandoned, 9/85 request Murphy drilled 11/56. 76 Murphy 57 (EPU 57), Active, Murphy drilled 9/55. 17 ✓ Murphy 51, (EPU 51), Plugged and Abandoned 8/62, Murphy drilled 12/54. 78 ✓ Murphy 83, (EPU 83), Active, Murhy drilled 8/56. 79 T29NR51E Section 28 81 Murphy 79, (EPU 79), Temp. Abandoned., requested 7/65, Murphy drilled 7/56. Murphy 103, (EPU 103), Temp Abandoned, requested 8/63, Murphy drilled 9/57. 82 ✓ Murphy 42, (EPU 42(Zimmerman)), Active, Murphy drilled 7/54. 87 O Murphy 114, (EPU 114(Zimmerman)), Active, Murphy drilled 11/96. (Murphy 29-D (Ab) inj. well?) 84 T29NR51E Section 29 Murphy 25 (EPU 25), Plugged and abandoned 4/78, Murphy drilled 7/53, casing separated in well 86 Murphy 78, (EPU 78), Temp. Abandoned, request 10/69, Murphy drilled 6/56. ✓ Murphy 28, (EPU 28), Plugged and abandoned 6/97, Murphy drilled 9/53 87 ✓ Murphy 110, (EPU 110), Active, Murphy drilled 4/72. 88 T29NR51E Section 29 39 Murphy 60, (EPU 60), Temp abandoned, request before workover on 1/90, workover completed 8/92 100% water back, Murphy drilled 7/55. Murphy 5G, (EPU 5-G), Plugged and Abandoned 6/93. Murphy drilled as gas well in Judith River 90 7/54, watered out and used as water supply for pipeline. T29NR51E Section 30 ✓ Murphy 106,(EPU 106), Active Murphy drilled 12/58. 91 Murphy 10G, (EPU 10G), Temp Abandoned requested 5/84, Murphy drilled 9/52. 92 ✓ Murphy 105, (EPU 105), Active, Murphy drilled 11/58. 93 ✓ Murphy 112, (EPU 112), Active, Murphy drilled 1987. 94 Murphy 31, (EPU 31), Active, Murphy drilled 11/53. 95 ✓ Murphy 10, (EPU 10), Active, Murphy drilled 10/52. 96 ✓ Murphy 56, (EPU 56), Active, Murphy drilled 5/53. ✓ Murphy 1-D, (EPU 1-D), Active SWD, Murphy drilled 9/57, casing had narted in well and needed to be reworked. 99 Murphy 70, (EPU 70), Active, Murphy drilled 1/56. T29NR51E Section 31 Nurphy 115, (EPU 115), New well completed 3/97 by Murphy, Plug to abandone report in file, 3/18/97. Murphy 102, (Burshia 102), Active, Murphy drilled 10/57. 101 ✓ Murphy 69, (EPU 69), Temp. Abandoned request 9/2/92, casing collapsed, Murphy drilled 11/55 103 ✓ Murphy 77, (EPU 77), temp Abandoned no request on file, Murphy drilled 7/56. ✓ Murphy 41, (EPU 41), temp abandoned requested 11/77, Murphy drilled 5/54. 104

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T29NR51E Section 32
        Murphy 39, (EPU 39), active, Murphy drilled 3/54 casing leak noted and fixed.
-> 105
        ✓ Murphy 36, (EPU 36), temp abandoned requested 7/65, Murphy drilled 12/53, casing leak noted
 → 10C
                   6/64 and repaired 6/64.
        Murphy 2-g, (EPU 2-g), Plugged and abandoned 2/53, Murphy drilled 11/52. (in Section 33 on my)
 107
 108
            T29NR51E Section 33
         ✓ Murphy 85, (EPU 85), Active, Murphy drilled 8/56 casing leak noted.
 > 109
         ✓ Murphy 86, (EPU 86), Plugged and abandoned 4/78, Murphy drilled 9/56.
   110
        Missing Murphy 4, Murphy 16, Murphy 6 (A6) 5W
   111
            T29NR51E Section 34
        Murphy 43, (EPU 43), Temp. Abandoned request 7/65, Murphy drilled 7/54.
  112
         Murphy 89, (EPU 89), Temp abandoned 7/65, Murphy drilled 11/56, casing leak noted.
  113
        ✓ Murphy 66, (EPU 66), Active, Murphy drilled 11/55.
 114
        Murphy 88, (EPU 88), Active, Murphy drilled 9/56
 115
            T29NR51E Section 35
        Murphy 52, (EPU 52), Plugged and Abandoned 4/60, Murphy drilled 1/55.
 116
            T29NR51E Section 36
        Williams, (CW Williams), Plugged and Abandoned 12/53, drilled by CW Williams 12/53.
            T27NR51E Section 5
           Delhi 1, (Danielson), Plugged and Abandoned 11/53, Delhi Oil Corp drilled 11/53.
            T28NR51E Section 1
           Murphy 76 (EPU 76), Plugged and Abandoned 9/76, Murphy drilled 5/56, temp abandoned
                   requested 8/67
        Murphy 99, (EPU 99), Plugged and Abandoned 10/62, Murphy drilled 10/57

Missing Murphy 82 (on map this in Sect. 3) Missing Murphy 3
120
121
            T28 NR51E Section 2
         Murphy 2-D, (EPU2-D), Plugged and Abandoned 6/93, Murphy drilled as freshwater well to
122
                   Judith River 1951, too salty, shut in through 11/61, then test converted to SWD, Temp
                   abandoned 11/62.
123
         Murphy 1,(EPU 1), Active, Murphy drilled 2/52, repaired leak 12/59, repaired leak 5/56.
         ✓ Murphy 5, (EPU 5), Active, Murphy drilled 7/52; casing leak 2/96, repaired; casing leak 6/92,
124
                   repaired; casing leak 8/73, repaired.
        Murphy 18, (EPU 18), temp abandoned, last request 12/89, Murphy drilled 12/52, rework request
125
                   12/89, report of rework, 8/92.
126
       Murphy 116, not on map, drilled 5/97 as oil well. Status unknown.
            Missing Murphy 17 (TA)
127
            T28N,R51E section 4
128
           Murphy 45, (EPU 45), Temp. Abandoned, requested 7/66, Murphy drilled 8/54.
129
           Murphy 59, (EPU 59), Plugged and Abandoned 8/20/86. Murphy drilled 7/55, Converted to SWD
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well in 6/61.

T28R51E Section 5

- Murphy 12, (EPU 12), Active, Murphy drilled 12/52, 1964 reported casing leak
- Murphy 80, (EPU 80), Active, Murphy drilled 7/56, Converted to SWD well in 12/63
- Murphy 14 (EPU 14), Temp. Abandoned 3/65 requested, Murphy drilled 6/55.

T28NR51E Section 9

Murphy 67, (EPU(Allotted Whitwright)), Plugged and Abandoned 9/76, Murphy drilled 12/55, Temp abandoned 11/69; temp abandoned requested 11/69.

T28NR51E Section 10

135

138

Polumbus (Huber) 4, (Huber #4), Plgged and abandoned request on file 10/82, no final plugging report, drilled by C.C. Thomas 10/52, Converted to SWD in 1970, Plugged in 7/66 by Polumbus, reenetered in 1970 by Polumbus, from Sundry notice 9/28/82"The subject well is perforated in the Judith River formation at 830'-850' as a shut in salt water disposal well. The Huber #4A, located 50 feet east of the subject well has water leaking into its cellar.

The water is believed to be either entering the well at the at the perforations and flowing up the tubing casing annulus through a cement basket with a leak in the casing or up the tubing and out a leak in the tubing and casing, or up a channel behind the surface pipe on either the Huber #4 or #4A from some outside source.

It is proposed to set a packer at ±800' and check tubing for flow. Pressure test annulus to 750 psi for 15 minutes. Locate casing leak if necessary. Squeeze perforations with 100 sxs Class "G" cement and casing leak with same if necessary. Cut off casing 2 feet below plow depth and set 10 sack surface plug."

- Polumbus (Huber) 1-W, (Huber 1-W), Listed as abandoned but no plugging record on file, drilled for a SWD by Polumbus, no transfer of ownership in file, drilled 10/61 by Polumbus, Jr.
- Murphy 6, (EPU 6(Reynolds)), Active, Murphy drilled 8/52,
- Murphy 5, (Huber #5), Active as a SWD well, temp abandoned request on 5/90, Signal Drilling drilled well in 2/69, Polumbus Corp became operator 10/69, Murphy operator on 7/1/86, converted to SWD 8/20/97.
 - Grace 110 X-D, (EPU #110-XD), Plugged and abandoned 5/85, Polumbus drilled 7/69, converted to SWD in 10/73, casing leak repair request 4/85, plugged 5/85 by Grace Petroleum
- Murphy 11, (EPU 11), Plugged and abandoned 12/97, Murphy drilled 11/52, casing collapsed temporarily abandoned 9/97, casing leak reported 5/59.
- Polumbus (Huber) 4-A, (Huber 4-A), Active, Polumbus drilled 2/66, Murphy purchase 7/86, collapsed casing noted and repaired 12/65 and 2/96.
- Polumbus (Huber) 3, (Huber 3), Active, CC Thomas drilled 8/52, Polumbus purchase unknown, Murphy purchased 7/1/86, casing leaks noted 9/71,2/65.
- Polumbus (Huber) 2, (Huber 2), Active, CC Thomas drilled 6/52, Polumbus purchase unknown, Murphy purchase, 7/1/86.
- Murphy 8-D(EPU 8), Active, Murphy drilled 8/52, converted to SWD 9/72, temp abandoned 12/65, originally used Dakota sand for injection zone, moved to Judith River in 7/78.

Casing leak noted 5/62.

- Polumbus (Huber) 1, (Huber 1), Active, CC Thomas drilled 5/52, Polumbus ownership unknown, Murphy purchase 7/1/86.
- Missing Murphy 13 and the ?marked well.

T28NR51E Section 11

- Murphy 15, (EPU 15), Active, Murphy drilled 2/53.
- Murphy 7, (EPU 7), Active, Murphy drilled 1/53.
- Murphy 9, (EPU 9), Active, Murphy drilled 9/52, collapsed casing 1963
- Murphy 68, (EPU 68), Temp abandoned requested 3/69, again in 4/78, Murphy drilled 12/55.
- Murphy 100, (EPU 100), Active, Murphy drilled 7/57, casing leak and repair 7/63.

T28NR51E Section 12

- Murphy 61, (EPU 61), Plugged and abandoned 4/60, temporary abandoned request 12/55, Murphy drilled 12/55.
- Murphy 24, (EPU 24), temp abandoned no request on file, Murphy drilled 6/53.

T28NR51E Section 13

Murphy 74, (EPU 74), plugged and abandoned 9/76, Murphy drilled 5/56, temp abanoned 5/67 for 7days.

T28NR51E Section 14

- Murphy 20, (EPU 20), Active, Murphy drilled 3/53.
- Murphy 22, (EPU 22), Temp abandoned, no request on file, Murphy drilled 3/53.
- Murphy 101, (EPU Allot 1-37-Ind-12878), Active, Murphy drilled 12/57, rework 12/97, 7/97, 6/89, 5/89, 5/88, 1/83.
- Murphy 104, (EPU- Allotted Mary Foote), Active, Murphy drilled 6/58; rework 2/81, 1/81.

T28NR51E Section 15

Murphy 32,(EPU 32 (Govt)), Temp abandoned, no request on file, Murphy drilled 10/53; rework 1/74, 11/73, 4/73, 2/73, uneconomical.

T28NR51E Section 16

Thomas & Wagner, Abandoned no plugging record, drilled by T&W 10/52 dry hole.

T28NR51E Section 21

Juniper 1-21, (Allotted 3047 #1), Plugged and abandoned 10/81, Juniper Petroleum drilled 6/30.

T28NR51E Section 22

Mesa 1-W (Biere), (Biere 1-W), Plugged and Abandoned 9/84 by Mesa Operating LTD Patnership filed with MTBOG 2/12/91, 250 sx Clas H cement. Drilled by Mesa Petroleum Company 7/70 for a SWD well into the Judith River. Note on 7/18/84 Sundry notice, 1-28-91, sent request to J.D. asking if well could be relieved from bond. Another note, 5-23-89 J.D. Hodges inspected location well plugged - wooden tank (water) still on location, Hodges will contact Mesa. Proposed action on sundry notice 7/18/8, "Mesa

Petroleum Co. proposes to plug this well as the Biere 1-22 oil well is no longer economic to produce. Subject well as TDed at 998', with 8 5/8" casing set at 998' and 5 1/2" casing set at 749'. Mesa proposes to set a cast iron bridge plug at 740', above perforations at 796'-834'. Fill 5 1/2" csing with cement from 740' to surface. Set dry hole marker. Both 8 5/8" and 5 1/2" casings were cemented to surface." Requests were made to Mesa for the subsequent reports of abandonment before they could release the bond.

- Mesa 1-22, (Biere 1-22), Plugged and abandoned file copied.
- TXO SWD-1, (Buckles SWD #1), Plugged and Abandoned 5/84, Drilled by Texas Oil and Gas Corp 5/81. Drilled as a SWD well. Judith River well. Water analysis in file. (TXO)
- TXO 1, (Buckles "B" 1), Plugged and abandoned on 5/25/85 by Texas Oil and Gas, drilled by
- TXO Production Corp. on 10/81. Changed to TXO Production corp. On 9/1/81.
- Buckles A-1, Plugged and abandoned 2/84, Texas Oil and Gas drilled 5/81, Changed to TXO.
- Murphy 72, (EPU 72), Plugged and Abandoned 4/56, Murphy drilled 3/56.

T28NR51E Section 23

- Murphy 55, (EPU 55), Active, Murphy drilled 6/55.
- Murphy 3-G, (EPU 3-G), Plugged and abandoned 12/52, Murphy drilled 12/52.
- Murphy 26, (EPU 26), Plugged and abandoned 9/76, Murphy drilled 8/53, casing leak and repair, 1/62.

T28NR51E Section 24

Murphy 44, (EPU 44), Plugged and abandoned 10/58, Murphy drilled 10/54, temp abandoned 10/54.

T28NR51E Section 25

Tennecol, (G. Morse), Plugged and abandoned 11/67, Tenneco Oil drilled 12/66.

T28NR51E Section 26

- Natol 1-26, (Sioux 1-26), Plugged and abandoned 7/71, Natol drilled 7/71.
- Partee 1, (Catlin 1) Plugged and abandoned 10/65, Partee drilled 6/65.

T28NR51E Section 27

- Murphy 63, (EPU 63), Plugged and abandoned 5/62, Murphy drilled 2/56, temp abandoned 8/60.
- Amarco Schmidt 1-27, (BLM-A-029305-AUSA), Plugged and abandoned 7/73, Amarco Resources drilled 8/73.

T28NR51E Section 33

Ajax 1, (Path No. 1), Plugged and Abandoned 8/52, Ajax Oil Co drilled 8/52.

T28NR51E Section 34

MapCo 3-34, (Lockman), Plugged and abandoned 8/82, MapCo drilled 8/82.

T28NR51E Section 35

Empire State 1, (Lyle Lockman), Plugged and Abandoned 12/69, Empire State drilled 11/69.

T28NR52 Section 8

Harper 11-8 Red Whitefeather Estate, (Red Whitefeather Estate 11-8), Plugged and Abandoned 8/84, Harper Oil drilled 8/84. Water quality analysis reports in file for Charles and othe formations.

T28NR52 Section 18

Murphy 2, (EPU 2 (Jensen)), Plugged and abandoned 4/52, Murphy drilled 4/52.

T28NR52 Section 30

Signal Exploration 1, (Akers Heirs 1), Plugged and abandoned 9/71, Signal drilled 7/69.

From Deb Madison - Ft Peck

The Homes affected at this time by the contamination plume are:

NAME
Birdell Lien
Michael Kirn
Rachel L. Gray Hawk
Rene Josi Martell
George& Helen Ricker Sr.
Warren & Donna Whitmer
Tim & Donna Trottier
Charles Four Bear
Irma Reddoor



LOCATION
Sec. 20 T29N R51E
Sec. 8 T28N R51E
Sec. 16 T28N R51E
Sec. 17 T28N R51E
Sec. 17 T28N R51E
Sec. 29 T28N R51E
Sec. 16 T28N R51E
Sec. 16 T28N R51E
Sec. 17 T28N R51E
Sec. 17 T28N R51E

Those site on the verge of contamination:

Denise Grandchamp Trivian Grainger Danny Kohl Bill Zimmerman Joe Abbott Audrey Kirn Ross & Laura Bleazard Mavis Loegering Jesse Kinrin Sr.



Sec. 33 T28N R51E Sec. 33 T28N R51E Sec. 15 T29N R51E Sec. 1 T28N R51E Sec. 4 T28N R51E Sec. 8 T28N R51E Sec. 29 T28N R51E Sec. 29 T28N R51E Sec. 29 T28N R51E Sec. 32 T28N R51E Carol Bowden ROC 9/21/99 - 10:50 a.m.

George is with the MTO +6 Board -I
told him Jim Halverson had been helping
me get well information for several
wells on the E. Poplar Field in the H. Peak
Rescruation. I had forgotten to ask if
the state had any activity going on
in this field. We have a request to
assist the tribe on a possible contamination
in the area of several private wells and
need to make sure we are not duplicating
any state activity. George stated they (the state)
did not have any activity in the area.

communication with state 0+6 - do they have an action on this issue.

MURPHY/EPA MEETING 10/21/99

NAME

ORGANIZATION!

PH. NUMBER

JIM EPPERS

EPA

303-312-6893

R. LEE VAIL

Murphy 0:1

504-561-2281

NATHAN WISER

EPA

(303) 312-6211

Carol Bowden

JAMBS BAING

EPA

(303) 312-6485 (870) 864-6485

Dean Massey

NSSS/Mouphy

303 893 1819

Mike Webster

Crowley Law Firm Murphy

406 - 252 - 344)

Sid Campbell

Murphy Exploration + Production 6.

504-561-2594 561-2700

1. Water Supply - Monthly upts on water upply

2 Data From A C, D, E, F

- within 3 weeks Murphy will send in plan
to submit well/tak/pit date.

a) one plan w/ well sketcher

b) one plan w/out well sketcher

3. AB (Alternate water supply) within 120 day

Add - Dean Massey to my list of contact.
-Mike webster

\$ 10/26/99 9:15an "Wina" Poplar Wolf Pt PO Box 30916 Energy Lass Glasgow 1170 S. 27th A. Dillings MT 59107 0916 (40%) 252-6325 celi cenergy lis. com William T. Brown Sur. Org. Chemist - John -(-Winn) 127 50 Mothod 524.2 Extraction Media 5030 2550 -Vocs DROS PRADRE TPHDRO (500 Mgl gas rong)
Semival. Method 525.2 c. 5/1/2 70 Dw Stds: Phase Z Phase 5 Thorg. Voc Svoc \$850

- 4) Upon EPA request brief EPA and DOJ on results of ownership and corporate status research.
- 5) As needed conduct interviews of Federal, State or private parties to clarify association of PRPs with Site and current status of those PRPs. Estimate no more than six interviews.
- 6) Provide EPA with a letter report documenting results of research. Three hard copies of letter report and attachment documents shall be furnished to EPA. Conclusions reached from research shall be supported by documentary evidence or interviews. Letter report shall be submitted to EPA by

 November 3, 1999. The letter report shall contain a table which presents in summary form PRPs, addresses, current or past association to site (e.g. owner/operator/investor) and current corporate status.

MSDS antoined w/in asso-sant

Nos 99 Event: 18-25 Samples · Yes Maybe No \ L. TD5 K120 VOA5 2 - 40 ml viels X SVOAS ? 1 551.15 X TPH/DRO) 1/ Lamber X 2 lans \$75 Energy Labs J Cl-\$50/sample Mg+Z 1 & plante 5042-Na+ K+ Cazt HCO3 , CO32 \$251 \$213.35 - Trip blank -4,267.00

5 x 96.40 4, 299.00

FT. PECK MEETING 11/1/99

NAME	REPRESENTING	PHONE 4
JIM EPPERS	EPA	303-312-6893
JIM BAING	Muegly	870 864-6485
Dean Massey	Mssfruphy	303-893-1819
Sidney W. Campbell	Murphy	504-561-2594
Kim Lesniak	El Paso Energy Corp.	713-420-4855
JOHN FOCKANI	ZEUNIK FFOGNONI	(303)382-6207
CANDANCE J. WALKER	MARATHON OIL	713. 296. 2533
David Tucker	W.R. GRACE & Co	901-820-2027
Ken Lund	HRO / W.R. Grace	303 - 861 - 7000
WILBUR DOVER	PIDDEER NAT'LRESOURCES	972-969-3920
Steve Leifer	Pioneer	202-639-7773
Carol Lee Bowden	EPA	(303) 312-6485
NATHAN WISER	EPA	(303) 312-6211

\$1431 Emergency Order - CONCERNS RE ORDER 1. Paragraph B Clean op plan tou tight time wite. 2. Doubt about causation - linking companies to site 3. Joint & severable liability Tenneco mo Amoco 1988 Praigez (Subsidiary (Poc Rocky who) El Poso bought Tennico 1996 AMARCO -

Juniper?

Somethin Michael Kirn 1/1 Shipped Groupylessis Willem Andry Kirn 1/1

Danny Kohl /1

Ross / Loura Bleazand Roman
renting to Dry Hendricker Dr Roman Hendrickson

11:4 2 helow Sooksima.

11:4 2 helow

12 thed 5th, White, non-front.

13 th. A.S.

14.2 helow

1.2 th. A.S.

1.3 th. A.S.

1.4 t

Springer Jua (Trainger ST) State ST28 Road 251

CAMPON T 29N/R\$1E/515

Lord Butch (orne M-17 well 5743 Rd 25/

T28N/R51E /513

SFED / Stake Cooperative Program & Matching only

No FIE - Annually

No FIE - Helena + lother officer

Billing, For Peak, Helifull

Matching only

State or local agency must

reguest.

BIA invitates the funding

Ai-borne E-M Survey \$100K

USGS - Could be the indep. science agency -> can take money from EPA, but not oil companies -> does this for CERCIA now.

History

November 1998 Tribes ask EPA for assistance

Jan.-Jun. 1999 EPA takes samples

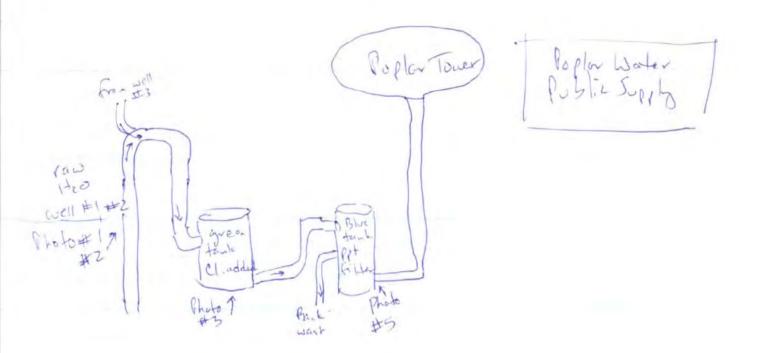
September 1999 EPA issues Emergency Order

November 1999 EPA re-issues Emergency Order

November 1999 EPA begins monthly samples at homes

December 1999 W.R. Grace & Company appeals Order to 2nd U.S. Circuit Court

	Photos 1/11/00
	City of Poplar wells #1 and #2 - PUMPS NOT ON. Before TX sample point shown on P of pipe.
≠ 2.	In a w
	Worker somple collection - VOAs (2nd somple - ofter 3 min. flow) 9:570 m 1/11/00 (Nathans works)
#3. "	u a u
	green tooler - holding (directly from with supply porp) in green touts then into filters (blue touts) Stilters remove particularly only
44.	it is to be a second of the se
	raw water cample in plastic auditainer (for isorgenes) 9:55an (Northernand)
#5	
	after blue filter tanks - pipe leading to water sopply tower.
#6.	
	outside view : looking south Poplar MT water tower (pipe from #5 leads to west side of water tower - water purpod to top)
XX	Sandra White Eagle Enliked sampling @ 10;15am (took before TX)
#7.	NE Mont Water Conditioning Co - Wolf PT. MT.
#8,	Tim Trother residue - Old water well w/ benzue from booking south



NEMont Water Supply Co.

Tody Houg, Mar.

PWS -> NEMont (weter line)

Water thru softener -> Carbon filth -> R.O. -> ozonator

Analyzed by:

(A NEMont

by Crain Water Lab (1661)

(somples feet to

Sidney)

Matt Mayer (was mgr. Killed in June 1998)

Rone Martill told Judy (then asst. to Mat Mayer)
about his water public.

Judy looked at chem results ->

Der Rene Martill > there was a tank leak from Morphy Oil.

Dew Dig 1-22 Tim Trollic

Lockman well - M-28 not in use since early or when well well well - Miled trees -

Murphy#80.D injection well, active when seen 245pm ~700-720 psig inj. pressure

* Anectodali

Bud Lier (now deceased) Sound More may have been a breach in the injection well (Murphy #1-D) in late 1970's. Fields were filled with brine (vegetation killed) in (Section 32, Section 31) TZ9N, RSIE.

4.45p. Murphy #1-Ding. well
Active in ocher
who see

719429 BOD Rate - 5914 BOD

4.529 Mulphy A5-Digwey actor during inspection

No press gange

Joanna Thanke USGS Oil production began in 1950s. 1995 5,9 Bbl oil produced 4% of produced fluids 96% are brine USGS will have fact sheet soon Bear Paw Shale -> 700-10001 Porton R. Bear Paw 700 - 1000 1 Judith Rive lower grows upper graves GW Flow.
(Glacial)

(point pentrating Radar (GPR)

may show subsurface wells

overlag E-M

locate the M

Thomes Garriga (BIA)

(ould get fondig 'BIA -> Triba -> USGS

to do a limited report

(1) where are the abandoned wells?

(2) which well is leaking?

Separate Order do Green Sorgens

Brian Gallile / Drick Dolan

Sampson

Samson (orig Sued 2 Samson companies)

Robert Sterry said Samson Hydrandon is the right on.

1st citizene complement: Spring/Summer 1998.

694	EPA REGION VIII
3/2/06/	to: Paral Bowden PHONED BY O VISITED BY O
	ORGANIZATION
	PHONE HUMBER
	PLEASE CALL O WANTED TO SEE YOU O RETURNED YOUR CALL O
	Leonet Harton Taw form
1	wests to a read later to
The state of the s	DATE 10-12 THE 3:50
	RECEIVED BY